



Welcome United States Patent and Trademark Office

Search Results

[BROWSE](#)[SEARCH](#)[IEEE XPLORE GUIDE](#)[SUPPORT](#)

Results for "(((optical disk)<in>metadata) <and> (control*<in>metadata)) and (card or bo..."

Your search matched 11 of 1278046 documents.

A maximum of 100 results are displayed, 25 to a page, sorted by Relevance in Descending order.

e-mail
 printer friendly

» Search Options

[View Session History](#)[New Search](#)

Modify Search

☐ Check to search only within this results set

 Display Format:
 ☒ Citation
 ☐ Citation & Abstract

» Key

IEEE JNL IEEE Journal or Magazine

IEEE JNL IEEE Journal or Magazine







IEEE CNF IEEE Conference Proceeding

IEEE CNF IEEE Conference Proceeding

IEEE STD IEEE Standard

Select Article Information

- ☐ 1. **An optimal tracking controller design based on the estimation of tracking vibration quantity**
 Moon-Noh Lee; Kyoung Bog Jin;
 Consumer Electronics, IEEE Transactions on
 Volume 51, Issue 2, May 2005 Page(s):478 - 484
 Digital Object Identifier 10.1109/TCE.2005.1467990
[AbstractPlus](#) | Full Text: PDF(193 KB) IEEE JNL
- ☐ 2. **Software architecture for integration of video services in the Etherphone system**
 Rangan, P.V.; Swinehart, D.C.;
 Selected Areas in Communications, IEEE Journal on
 Volume 9, Issue 9, Dec. 1991 Page(s):1395 - 1404
 Digital Object Identifier 10.1109/49.108677
[AbstractPlus](#) | Full Text: PDF(1252 KB) IEEE JNL
- ☐ 3. **90 mm rewritable optical disk drive**
 Nakane, K.; Ogawa, M.; Yoshimoto, K.; Ogura, M.; Kiyose, Y.; Furukawa, T.;
 Consumer Electronics, IEEE Transactions on
 Volume 38, Issue 3, Aug 1992 Page(s):648 - 653
 Digital Object Identifier 10.1109/30.156749
[AbstractPlus](#) | Full Text: PDF(532 KB) IEEE JNL
- ☐ 4. **Asymmetric/unidirectional error correcting and detecting codes**
 Al-Bassam, S.; Bose, B.;
 Computers, IEEE Transactions on
 Volume 43, Issue 5, May 1994 Page(s):590 - 597
 Digital Object Identifier 10.1109/12.280797
[AbstractPlus](#) | Full Text: PDF(680 KB) IEEE JNL
- ☐ 5. **A 3.5 in 230 Mbytes read-channel chip set for magneto-optical disk drives**
 Sang-Soo Lee; Laber, C.A.;
 Very Large Scale Integration (VLSI) Systems, IEEE Transactions on
 Volume 4, Issue 4, Dec. 1996 Page(s):455 - 463
 Digital Object Identifier 10.1109/92.544410
[AbstractPlus](#) | [References](#) | Full Text: PDF(888 KB) IEEE JNL
- ☐ 6. **Track-following control for optical disk drives using an iterative learning scheme**
 Jung-Ho Moon; Moon-Noh Lee; Myung Jin Chung; Soo Yul Jung; Dong Ho Shin;
 Consumer Electronics, IEEE Transactions on
 Volume 42, Issue 2, May 1996 Page(s):192 - 198
 Digital Object Identifier 10.1109/30.494420
[AbstractPlus](#) | Full Text: PDF(692 KB) IEEE JNL

-  **7. A CMOS 4× speed DVD read channel IC**
Chun-Sup Kim; Geo-Ok Cho; Yong-Hwan Kim; Bang-Sup Song;
Solid-State Circuits, IEEE Journal of
Volume 33, Issue 8, Aug. 1998 Page(s):1168 - 1178
Digital Object Identifier 10.1109/4.705355
[AbstractPlus](#) | [References](#) | Full Text: [PDF](#)(260 KB) IEEE JNL
-  **8. Error and flow control in terabit intelligent optical backplanes**
Szymanski, T.H.; Tyan, V.;
Selected Topics in Quantum Electronics, IEEE Journal of
Volume 5, Issue 2, March-April 1999 Page(s):339 - 352
Digital Object Identifier 10.1109/2944.778318
[AbstractPlus](#) | [References](#) | Full Text: [PDF](#)(712 KB) IEEE JNL
-  **9. Compact disc players in the laboratory: experiments in optical storage, error correction, and optical fiber communication**
Lane, P.M.; Van Dommelen, R.; Cada, M.;
Education, IEEE Transactions on
Volume 44, Issue 1, Feb 2001 Page(s):47 - 60
Digital Object Identifier 10.1109/13.912710
[AbstractPlus](#) | [References](#) | Full Text: [PDF](#)(264 KB) IEEE JNL
-  **10. Frequency-shaped sliding mode control for flying height of pickup head in near-field optical disk drives**
Wu, W.C.; Liu, T.S.;
Magnetics, IEEE Transactions on
Volume 41, Issue 2, Feb. 2005 Page(s):1061 - 1063
Digital Object Identifier 10.1109/TMAG.2004.842020
[AbstractPlus](#) | Full Text: [PDF](#)(160 KB) IEEE JNL
-  **11. 2003 Digest of Technical Papers. International Conference on Consumer Electronics (Cat. No.03CH37416)**
Consumer Electronics, 2003. ICCE. 2003 IEEE International Conference on
17-19 June 2003
[AbstractPlus](#) | Full Text: [PDF](#)(663 KB) IEEE CNF
- 



Track-following control for optical disk drives using an iterative learning scheme

Jung-Ho Moon, Moon-Noh Lee, Myung-Jin Chung, Soa-Yul Jung, Dong-Ho Shin
Dept. of Electr. Eng., Korea Adv. Inst. of Sci. & Technol., Seoul, South Korea;

This paper appears in: **Consumer Electronics, IEEE Transactions on**

Publication Date: May 1996

Volume: 42, Issue: 2

On page(s): 192 - 198

ISSN: 0098-3063

CODEN: ITCEDA

INSPEC Accession Number: 5288424

Digital Object Identifier: 10.1109/30.494420

Posted online: 2002-08-06 20:20:25.0

» Learn More

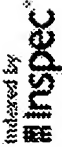
Abstract

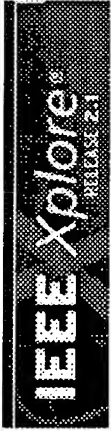
In this paper, we propose an iterative learning scheme to deal with the periodic off-track errors in the track-following control system for optical disk drives. The periodic errors could be taken into account more effectively by employing an iterative learning algorithm since the errors of the previous period are used to improve the performance of current period. We show a sufficient condition for the convergence of the learning algorithm in the presence of bounded modeling uncertainty. In addition, the effects of the initial state error on the tracking performance are analyzed. Finally, the proposed learning algorithm is demonstrated to be feasible through experiments applying it to the track-following control for an optical disk drive

No citing documents available on IEEE Xplore.

[View Search Results](#) | [Previous Article](#) | [Next Article](#)

[Help](#) [Contact Us](#) [Privacy & Security](#) [IEEE.org](#)
© Copyright 2006 IEEE -- All Rights Reserved





Home | Login | Logout | Access Information | Alerts | Sitemap | Help

Welcome United States Patent and Trademark Office

AbstractPlus

View Search Results | Previous Article | Next Article

Access this document

Full Text: PDE (692 KB)

Download this citation

Choose Citation

Download | EndNote, ProCite, RefMan

Learn More

Rights & Permissions



Learn More

SEARCH
IEEE Xplore GUIDE
SUPPORT
e-mail
patent friendly

Track-following control for optical disk drives using an iterative learning scheme

Jung-Ho Moon, Moon-Noh Lee, Myung-Jin Chung, Soa-Yul Jung, Dong-Ho Shin
Dept. of Electr. Eng., Korea Adv. Inst. of Sci. & Technol., Seoul, South Korea;

This paper appears in: **Consumer Electronics, IEEE Transactions on**

Publication Date: May 1996

Volume: 42, Issue: 2

On page(s): 192 - 198

ISSN: 0098-3063

CODEN: ITCEDA

INSPEC Accession Number: 5288424

Digital Object Identifier: 10.1109/30.494420

Posted online: 2002-08-06 20:20:25.0

Abstract

In this paper, we propose an iterative learning scheme to deal with the periodic off-track errors in the track-following control system for optical disk drives. The periodic errors could be taken into account more effectively by employing an iterative learning algorithm since the errors of the previous period are used to improve the performance of current period. We show a sufficient condition for the convergence of the learning algorithm in the presence of bounded modeling uncertainty. In addition, the effects of the initial state error on the tracking performance are analyzed. Finally, the proposed learning algorithm is demonstrated to be feasible through experiments applying it to the track-following control for an optical disk drive

Index Terms

Inspe

Controlled Indexing

controllers, iterative methods, optical disc storage

Non-controlled Indexing

bounded modeling uncertainty, iterative learning scheme, optical disk drives, periodic off-track errors, sufficient condition, track-following control

Author Keywords

Not Available

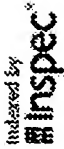
References

No references available on IEEE Xplore.

Citing Documents

No citing documents available on IEEE Xplore.

4 [View Search Results](#) | 4 [Previous Article](#) | [Next Article](#)



[Help](#) [Contact Us](#) [Privacy & Security](#) [IEEE.org](#)
© Copyright 2006 IEEE -- All Rights Reserved

Refine Search

Search Results -

Terms	Documents
L1 same computer	38

Database:

US Pre-Grant Publication Full-Text Database
US Patents Full-Text Database
US OCR Full-Text Database
EPO Abstracts Database
JPO Abstracts Database
Derwent World Patents Index
IBM Technical Disclosure Bulletins

Search:

L2

▲

▼

Refine Search

Recall Text

Clear

Interrupt

Search History

DATE: Monday, December 05, 2005 [Printable Copy](#) [Create Case](#)

<u>Set</u> <u>Name</u> side by side	<u>Query</u>	<u>Hit</u> <u>Count</u>	<u>Set</u> <u>Name</u> result set
<i>DB=PGPB,USPT,USOC; PLUR=YES; OP=OR</i>			
<u>L2</u>	L1 same computer	38	<u>L2</u>
<u>L1</u>	(optical adj1 (disk or disc)) same (control\$4 near3 (board or card)) same (external or remote or separate)	95	<u>L1</u>
END OF SEARCH HISTORY			

Refine Search

Search Results -

Terms	Documents
L1 same computer	0

Database:

US Pre-Grant Publication Full-Text Database
 US Patents Full-Text Database
 US OCR Full-Text Database
 EPO Abstracts Database
 JPO Abstracts Database
 Derwent World Patents Index
 IBM Technical Disclosure Bulletins

Search:

L3

Search History

DATE: Monday, December 05, 2005 [Printable Copy](#) [Create Case](#)

<u>Set</u> <u>Name</u> side by side	<u>Query</u>	<u>Hit</u> <u>Count</u>	<u>Set</u> <u>Name</u> result set
	DB=EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR		
<u>L3</u>	L1 same computer	0	<u>L3</u>
	DB=PGPB,USPT,USOC; PLUR=YES; OP=OR		
<u>L2</u>	L1 same computer	38	<u>L2</u>
<u>L1</u>	(optical adj1 (disk or disc)) same (control\$4 near3 (board or card)) same (external or remote or separate)	95	<u>L1</u>

END OF SEARCH HISTORY

Freeform Search

Database:

US Pre-Grant Publication Full-Text Database

US Patents Full-Text Database

US OCR Full-Text Database

EPO Abstracts Database

JPO Abstracts Database

Derwent World Patents Index

IBM Technical Disclosure Bulletins

Term:

((optical adj1 (disk or disc)) near10 (control\$4 near3 (board or card))) same (external or remote or separate)

Display:

10

Documents in Display Format:

Starting with Number

1

Generate:

☐ Hit List

☒ Hit Count

☐ Side by Side

☐ Image

Search

Clear

Interrupt

Search History

DATE: Monday, December 05, 2005 [Printable Copy](#) [Create Case](#)

<div>Set Name</div> <div>side by side</div>	Query	Hit Count	Set Name	result set
	DB=PGPB,USPT,USOC; PLUR=YES; OP=OR			
<u>L5</u>	((optical adj1 (disk or disc)) near10 (control\$4 near3 (board or card))) same (external or remote or separate)	34	<u>L5</u>	
<u>L4</u>	((optical adj1 (disk or disc)) near10 (control\$4 near3 (board or card))) same (external or remote or separate).ab.	0	<u>L4</u>	
<u>L3</u>	(optical adj1 (disk or disc)).ab. and (control\$4 near3 (board or card)).ab. and (external or remote or separate).ab.	1	<u>L3</u>	
<u>L2</u>	L1 same computer	38	<u>L2</u>	
<u>L1</u>	(optical adj1 (disk or disc)) same (control\$4 near3 (board or card)) same (external or remote or separate)	95	<u>L1</u>	

END OF SEARCH HISTORY

Refine Search

Search Results -

Terms	Documents
((optical adj1 (disk or disc)) near10 (control\$4 near3 (board or card))) same (external or remote or separate)	8

Database:

US Pre-Grant Publication Full-Text Database
 US Patents Full-Text Database
 US OCR Full-Text Database
 EPO Abstracts Database
 JPO Abstracts Database
 Derwent World Patents Index
 IBM Technical Disclosure Bulletins

Search:

L6

Refine Search

Recall Text

Clear

Interrupt

Search History

 DATE: Monday, December 05, 2005 [Printable Copy](#) [Create Case](#)

<u>Set Name</u> side by side	<u>Query</u>	<u>Hit Count</u>	<u>Set Name</u> result set
	<i>DB=EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR</i>		
<u>L6</u>	((optical adj1 (disk or disc)) near10 (control\$4 near3 (board or card))) same (external or remote or separate)	8	<u>L6</u>
	<i>DB=PGPB,USPT,USOC; PLUR=YES; OP=OR</i>		
<u>L5</u>	((optical adj1 (disk or disc)) near10 (control\$4 near3 (board or card))) same (external or remote or separate)	34	<u>L5</u>
<u>L4</u>	((optical adj1 (disk or disc)) near10 (control\$4 near3 (board or card))) same (external or remote or separate).ab.	0	<u>L4</u>
<u>L3</u>	(optical adj1 (disk or disc)).ab. and (control\$4 near3 (board or card)).ab. and (external or remote or separate).ab.	1	<u>L3</u>
<u>L2</u>	L1 same computer	38	<u>L2</u>
<u>L1</u>	(optical adj1 (disk or disc)) same (control\$4 near3 (board or card)) same (external or remote or separate)	95	<u>L1</u>

END OF SEARCH HISTORY